



# Operating Instructions LL-300

## Explosion Protected Cable Extension Reels

### Model numbers LL-300

The explosion protected cable reel meets all relevant provisions of the 94/9/EC (ATEX Equipment) Directive. The cable reels are manufactured and tested according to the manufacturer standards DIN EN 60309:2000, DIN EN 61242:1997 and DIN EN 61316:2000.

### Where can they be used

The cable reels are suitable for use in potentially explosive areas, Zones 1 and 2. The Wolf cable reels are manufactured from styrene-butadiene rubber. This material guarantees a high degree of mechanical protection. The cable reels are resistant to oils and acids. A mature design guarantees the technical reliability and a high standard of quality. The robust construction makes them particularly suitable for use in construction and industry and by craftsmen. The cable reel has an internal brake which does not rub against the roller.

Technical Data	LL-300/
Certificate number	PTB 03 ATEX 1186
Approval code	II 2 G Ex de IIC* T6
	<b>CE</b> <sub>0158</sub>
Ambient temperature	-20°C to +40°C
IP rating	IP54
Power rating 110 volt	450 watt (wound) 1700 watt (fully unwound)
Power rating 230 volt	1000 watt (wound) 3600 watt (fully unwound)
Cable type	30 metre, HOFR 3 x 2.5 mm <sup>2</sup>
Net Weight	
ATX	11.9kg
CEAG	12kg

\*Use of the cable reel for the explosion group IIC is only permitted if the extension reel is connected to the supply before the equipment is connected to the extension or the cable reel is on a dissipative floor or dissipative and grounded base. Otherwise, the cable reel can only be used for explosion groups IIA and IIB in Zones 1 and 2.

### **Warranty**

The cable Reels have a 12 month warranty period. The warranty covers only materials and manufacturing defects. This excludes damage to the cable.

User abuse and or failure to comply with the instruction above will invalidate the warranty and may also invalidate the safety certification.

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GEDO FRANCE Sasu au Capital de 30.000 € R.C. Marseille 494 021 678

**Operating Instructions**  
**Explosion protected cable reels**

**Types 502Ex and 518Ex**

**GIFAS**  
**ELECTRIC**



**Zone 1, Device Category 2 (94/9/EC)**

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# Operating Instructions



## Types 502Ex and 518Ex

### Contents:

- 1 Area of application and characteristics 4. Compliance with standards
- 2 Technical data 5. Servicing and maintenance
- 3 Safety notes 6. Repairs and maintenance

### 1. Area of application and characteristics

The cable reels are suitable for use in potentially explosive areas of Zones 1 and 2.

GIFAS cable reels are manufactured from styrene-butadiene rubber. This material guarantees a high mechanical load capacity. The cable reels are thus resistant to oils and acids. A mature design guarantees the technical reliability and the high standard of quality. The robust construction makes them particularly suitable for use in construction and industry and by craftsmen. The 502Ex cable reel has an internal brake which does not rub against the roller.

2. Technical data	502Ex	518Ex
Device designation according to 94/9/EC Explosion protection EC-Type Examination Certificate Rated voltage: Rated current: Ambient temperature range:  Protection classification: Protection class: Maximum load Cable 3x2.5 qmm: Cable 5x2.5 qmm:	EEx de IIC T6 EEx de IIA/IIB* T6 PTB 03 ATEX 1186 up to 750 V, 50/60Hz** max. 16 A** -20 °C to +40 °C	II 2 G CE 0102
502Ex net weight: Maximum cable lengths:	IP54 min. IP 54, max. IP66*** Protection class 2, insulated wound 1000 W / 230 V unwound 3600 W / 230 V wound 4800 W / 400 V unwound 11000W/400 V	approx. 4 kg approx. 8 kg 50 m 3x2.5 qmm 45 m + 5 m 3x2.5 qmm 30 m 4x2.5 qmm 45 m + 5 m 4x2.5 qmm 30 m 5x2.5 qmm 45 m + 5 m 5x2.5 qmm

\* Use of the 502Ex cable reel for the explosion group IIC is only permitted if the cable is connected first or the cable reel is on a dissipative floor or dissipative and grounded base. Otherwise, the cable reel can only be used for explosion groups IIA and IIB in all Zones.

\*\* The rated values are maximum values. The actual electrical values are determined by the installed electrical operating equipment. See the information on the rating plate.

\*\*\* The protection classification depends on the installed plug connectors. See the information on the rating plate.

# Operating Instructions

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### Types 502Ex and 518Ex

#### 3. Safety notes

The labels on the cable reels must be read without fail before use.

The 502Ex and 518Ex cable reels are not suitable for the Zones 0, 20, 21 and 22.

The temperature classes and types of ignition protection information on the equipment must be taken account of. In order to avoid unauthorised heating of the cables, particularly in the wound state, the maximum loads stated must not be exceeded (see also "Tech hor no.6(m ata" ta)-5.4und the

# Operating Instructions

## Explosion protected cable reels



### Types 502Ex and 518Ex

#### 6. Repairs and maintenance

Only original parts from GIFAS must be used for repairs and maintenance. Repairs or maintenance which concern explosion protection must only be performed by GIFAS or a qualified electrician. This electrician must be familiar with and take account of the relevant standards concerning explosion protection.

All repairs or maintenance must be carried out in compliance with the national regulations.

#### 7. Accessories



Trolley for the cable reel

Base frame for the plug socket for the 518Ex cable reel



# EG – Konformitätserklärung EC – Declaration of Conformity

## GIFAS-ELECTRIC GmbH

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Dokument Nr. / document no: GE/H008/110529

Version : 1.00

Hiermit bestätigen wir, dass das/die nachfolgend bezeichneten Produkt(e)  
we declare herewith that the product(s) described below

**Leitungsroller CEE / Industrial cable reels CEE**  
**LL-300/230/ATX 110529 502EXR00025/0P.230V.ATX.M**

gemäß den Richtlinien in Verkehr gebracht werden.  
distributed according to the directives.

**EG-Richtlinie 2006/95/EG Niederspannung**  
**EC-directive 2006/95/EC low voltage**

**EG-Richtlinie 94/9/EG ATEX**  
**EC-directive 94/9/EC ATEX**

**angewandte Normen**  
**applied standards**

ÖVE/ÖNORM EN 61316:2000-10-01  
Beschluss FA-IS 179  
EN 50014:1997+A1+A2  
EN 50018:2000  
EN 50019:2000  
EN 50281-1-1:1998  
IEC 60079-0:2000  
IEC 60079-1:2001  
IEC 60079-7:2001  
IEC 61241-0:2004  
IEC 61241-1:2004



**Zertifikate / certificates**

ÖVE 526-034-10  
PTB Ex 06-16168 PTB 03 ATEX 1186  
IECEX LCI 04.0014 LCIE 02 ATEX 6068

Eugendorf 03. june 2013

Ing. Dipl.- Ing.(FH) Hans Jürgen Stadler

Die Sicherheits- und technischen Hinweise der Produktdokumentation sind zu beachten.  
security and technical declarations given in product documentation have to be considered.

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we declare herewith that the product(s) described below

**Leitungsroller CEE / Industrial cable reels CEE**  
**LL-300/110/ATX 110528 502EXR30325/3P.110V.ATX.M**

gemäß den Richtlinien in Verkehr gebracht werden.  
distributed according to the directives.

**EG-Richtlinie 2006/95/EG Niederspannung**  
**EC-directive 2006/95/EC low voltage**

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**EC-directive 94/9/EC ATEX**

**angewandte Normen**  
**applied standards**

ÖVE/ÖNORM EN 61316:2000-10-01

Bezeichnung FA 16-170

EN 50014:1997+A1+A2

EN 50018:2000

EN 50019:2000

EN 50281-1-1:1998

IEC 60079-0:2000

IEC 60079-1:2001

IEC 60079-7:2001

IEC 61241-0:2004

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